

**AMENDMENT**

**To the Claims:**

**1-7. (canceled)**

8. (currently amended) A pixel array, comprising:

M\*N pixels, each row of the pixels having a plurality of pixel sets, wherein

the  $j^{\text{th}}$  and the  $(j+1)^{\text{th}}$  pixel sets of the  $i^{\text{th}}$  row of the pixels substantially have different driving polarity, wherein all of pixels in the  $j^{\text{th}}$  pixel set of the  $i^{\text{th}}$  row of the pixels substantially have same driving polarity, and all of pixels in the  $(j+1)^{\text{th}}$  pixel set of the  $i^{\text{th}}$  row of the pixels substantially have same driving polarity, where M, N, i and j are positive integers;

the  $j^{\text{th}}$  and the  $(j+1)^{\text{th}}$  pixel sets of the  $(i+1)^{\text{th}}$  row of the pixels substantially have different driving polarity, wherein all of pixels in the  $j^{\text{th}}$  pixel set of the  $(i+1)^{\text{th}}$  row of the pixels substantially have same driving polarity, and all of pixels in the  $(j+1)^{\text{th}}$  pixel set of the  $(i+1)^{\text{th}}$  row of the pixels substantially have same driving polarity;

the  $j^{\text{th}}$  pixel set of the  $i^{\text{th}}$  row of the pixels and the  $j^{\text{th}}$  pixel set of the  $(i+1)^{\text{th}}$  row of the pixels substantially have different driving polarity; and

the  $(j+1)^{\text{th}}$  pixel set of the  $i^{\text{th}}$  row of the pixels and the  $(j+1)^{\text{th}}$  pixel set of the  $(i+1)^{\text{th}}$  row of the pixels substantially have different driving polarity;

a plurality of data lines for respectively providing a corresponding pixel voltage, wherein the polarity of the pixel voltage provided by the  $k^{\text{th}}$  data line is opposite to the polarity of the pixel voltage provided by the  $(k+1)^{\text{th}}$  data line, where k is a positive integer;

and

a plurality of gate lines, wherein the  $r^{\text{th}}$  gate line is merely used for turning on all odd pixels in the  $j^{\text{th}}$  and the  $(j+1)^{\text{th}}$  pixel sets of the  $i^{\text{th}}$  row of the pixels and all even pixels in the  $j^{\text{th}}$  and the  $(j+1)^{\text{th}}$  pixel sets of the  $(i+1)^{\text{th}}$  row of the pixels, where  $r$  is a positive integer.

9. (previously presented) The pixel array according to claim 8, wherein each pixel set comprises 3 pixels or a multiple of 3 pixels.

**10-11. (canceled)**